**W3C rax Template for Use case and Tools description**

**Topic title:** Mapping XML of a dictionary data to RDF

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**Please give a short description of problem you want to address (if possible with links to previous work, etc.):**

A dictionary creation company stores their data in XML format. The dictionaries can be multilingual or monolingual. The XML structure is very complex and not necessarily the same for each language/dictionary. (the DTD is very flexible).

This XML dictionary data has to be mapped into RDF according to its specific language model created for the task. The model is based on the [lemon](http://lemon-model.net/) and ontolex model and extended with particular information contained in a specific ontology.

**What kind of solution/deliverable would you expect from the group (process, format, tool, best practice, etc.):**

Classification and mentioning of existing tools

**Are there already solutions available that try to tackle that problem (even partially); please describe, validate and give links, e.g. to tools:**

The solution at hand was to create a XSLT that can (at least for one language) map all the details of the dictionary into RDF based on lemon and ontolex and extending them with a specific created ontology for the missing information that could not be covered by those models. The time to develop such a complex XSLT was long and tedious.

The resulted RDF was written in a triple store for the purpose of having a SPARQL endpoint available.

The process was created in a ETL tool called [UnifiedViews](http://unifiedviews.eu/) which through its Data Processing units combine into a pipeline to load the data, apply the XSLT and write it in a triple store like Virtuoso.

**Would you be able to spend resources in that group effort?**

Not really